

Supplementary Material

Free and bioavailable 25-hydroxyvitamin D thresholds for bone metabolism and their associations with metabolic syndrome in Chinese women of childbearing age

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1 Supplementary Figures and Tables

В А All participants(N=39) 400 IU/d(N=14) 400 400-Total 25(OH)D Total 25(OH)D - 026 - 020 350 Percent change (%) Free 25(OH)D Free 25(OH)D 300 Bioavailable 25(OH)D Bioavailable 25(OH)D 250 200 150 100 50 0 0-10 12 14 16 18 20 8 10 12 14 16 18 20 8 4 -2 6 -2 6 time (week) time (week) С 800 IU/d(N=25) 450a,b Total 25(OH)D 400 Free 25(OH)D Bioavailable 25(OH)D 50 0 2 10 12 14 16 18 20 ò 8 -2 time (week)

1.1 Supplementary Figures

Supplementary Figure 1. Total-25(OH)D, Free-25(OH)D, and Bio-25(OH)D response to vitamin D supplementation. [#], compared with other two indicators; a, Free-25(OH)D vs. Total-25(OH)D; b, Free-25(OH)D vs. Bio-25(OH)D; ns, no difference between week 4 and week 16 for Bio-25(OH)D. Repeated measures analysis of variance was used to compare means between the groups of interest. P < 0.05 was considered statistically significant.